



GRID Modernization

EIM Customer Impact Summary

This document captures what may change for Bonneville Power Administration power and transmission customers if it decides to join the Western Energy Imbalance Market in March 2022. This is a living document which will be updated as new changes are identified and to address new questions raised by customers during the implementation process. Please note that not all decisions are final and the document highlights where those decisions will be made. If there is an area you do not believe is addressed in this document, please contact gridmod@bpa.gov with your suggestion.

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EIM Settlements

Settlements Process – Timing and Data

Objective: Establish the timing and approach for BPA EIM entity settlements with transmission customers.

Analysis: This issue was discussed at length during the Phase III workshops. Critical factors discussed include making sure settlements were conveyed in a timely manner with clarity of charges and the visibility of the underlying data.

Customer Impact:

- The EIM transmission customer bill will be provided monthly with weekly publication of a statement containing the billing determinants from the previous week's settlements to customers.

- Customers will be able to get their detailed data in a similar manner to how they access metered data today.

Source: Phase III Workshops

Status of decision: Internal business decision

Settlements Process – Measured Demand

Objective: Establish the appropriate basis for calculating “measured demand” – a key component of numerous settlement calculations.

Analysis: This issue was discussed at length during the Phase III workshops. Critical factors discussed are consistency with other EIM entities and fair allocation of charges. Consistent with other EIM entities and CAISO, measured demand for use in EIM settlements will be computed by summing metered demand and e-tagged export megawatts from the BPA balancing authority area (excluding BPA EIM Transfers).

Customer Impact:

- BPA EIM entity settlement calculations will use metered demand in ways consistent with other EIM entities.

Source: 9/29/20 Phase III Workshop

Status of decision: Pending BP-22

Settlements – Sub-allocated Charge Codes

Objective: Identify which EIM entity settlement charge codes should be allocated to respective transmission customers and based on what factors.

Analysis: This issue was discussed at length during the Phase III workshops with the objectives of balancing the complexity while at the same time providing reasonable incentives and equity of market charges and credits.

Customer Impact:

- The following EIM entity settlement charge codes will be directly allocated to BPA transmission customers:
 - Base codes via direct assignment - 64750, 64600, 64700
 - Neutrality codes via measured demand - 64770, 64740, 69850, 6478, 67740
 - Over/Under scheduling codes via imbalance by direction and metered demand by direction - 6045, 6046

Source: 8/25/2020 Phase III workshop

Status of decision: Pending BP-22

Settlements – Unallocated Charge Codes

Objective: Identify which EIM entity settlement charge codes should not be allocated to transmission customers and instead be included in transmission rates and associated revenue requirements.

Analysis: This issue was discussed at length during the Phase III workshops with the objectives of balancing the complexity while at the same time providing reasonable incentives and equity of market charges and credits.

Customer Impact:

- Aside from the 10 sub-allocated EESC settlements charge codes, the remaining charge codes will not be sub-allocated directly to BPA transmission customers. See table below for list of remaining charge codes.

Source: 8/25/2020 Phase III workshop

Status of decision: Pending TC-22

Table 1: Unallocated Charge Codes

CC #	Charge Code Name	CC #	Charge Code Name	CC #	Charge Code Name
701	Forecasting Service Fee	5900	Shortfall Receipt Distribution	7087	Daily Flexible Ramp Down Uncertainty Award Allocation
1592	EP Penalty Allocation Payment	5901	Shortfall Allocation Reversal	7088	Monthly Flexible Ramp Down Uncertainty Award Allocation
2999	Default Invoice Interest Payment	5910	Shortfall Allocation	7989	Invoice Deviation Interest Distribution
3999	Default Invoice Interest Charge	5912	Default Loss Allocation	7999	Invoice Deviation Interest Allocation
4564	GMC-EIM Transaction Charge	7070	Flexible Ramp Forecast Movement Settlement	8526	Generator Interconnection Process GIP Forfeited Deposit Allocation
4575	SMCR -Settlements, Metering, and Client Relations	7071	Daily Flexible Ramp Up Uncertainty Capacity Settlement	8989	Daily Neutrality Adjustment
4989	Daily Rounding Adjustment	7076	Flexible Ramp Forecast Movement Allocation	8999	Monthly Neutrality Adjustment
4999	Monthly Rounding Adjustment	7077	Daily Flexible Ramp Up Uncertainty Award Allocation	66200	Bid Cost Recovery EIM Settlement
5024	Invoice Late Payment Penalty	7078	Monthly Flexible Ramp Up Uncertainty Award Allocation	66780	Real Time Bid Cost Recovery Allocation EIM
5025	Financial Security Posting (Collateral) Late Payment Penalty	7081	Daily Flexible Ramp Down Uncertainty Capacity Settlement		

Losses for EIM Transfers

Objective: Determine whether imbalance energy dispatched by the EIM should incur transmission loss return obligations.

Analysis: This issue was discussed at length during the Phase 3 workshops. Noting this issue is distinct from the BPA's real power loss return rate or mechanisms and from the loss factor used in EIM. It was concluded in the Sept. 29, 2020, workshop that requiring loss returns on EIM transfers would present a barrier to EIM participation and Bonneville established the position of not requiring real power loss returns for imbalance energy dispatched via the EIM.

Customer Impact:

- No loss return required for EIM transfers.

Source: 9/29/20 Phase III Workshop

Status of decision: Pending TC-22

Metering Requirements

Objective: Assure BPA's metering requirements can fully meet the EIM needs.

Analysis: After further examination of Bonneville's metering specifications and the CAISO's requirements, no action is necessary for either generators or load in Bonneville's balancing authority area to comply with the CAISO's metering requirements if Bonneville decides to participate in the EIM.

Customer Impact:

- None.

Source: EIM Phase III Final Decision Document

Status of decision: Final

Coming Soon

More information will be provided on:

- Participating resources
- Generators in EIM
- Resource Sufficiency
- EI for Load
- EI for Generation
- Over/Under Scheduling Charges
- VER Scheduling
- Scheduling Timing
- Intentional Deviation
- Persistent Deviation
- Transfer Service Costs